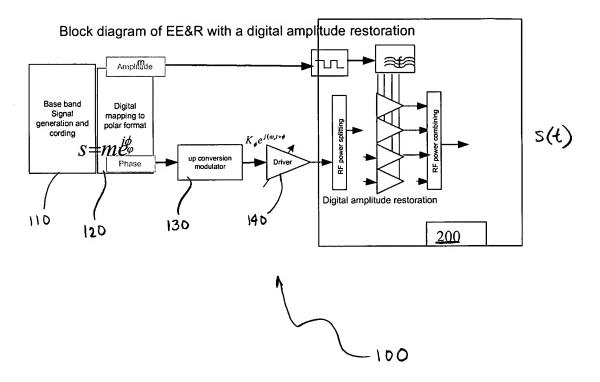
AN ADAPTIVE WIDEBAND DIGITAL AMPLIFIER FOR LINEARLY MODULATED SIGNAL AMPLIFICATION AND TRANSMISSION

Inventors: Hong Gan et al. EMC: EL978573329US Sheet 1 of 3 Docket No.: 18052

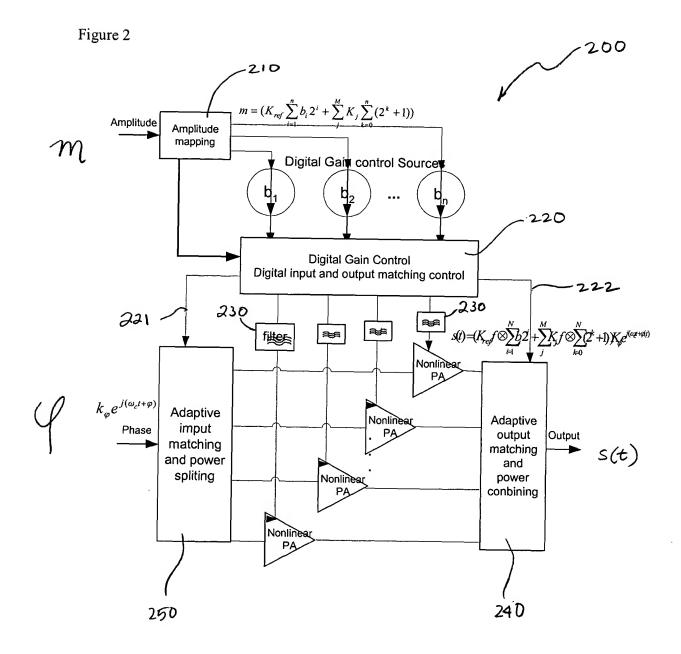
Figure 1



$$s(t) \approx (K_{ref} f \otimes \sum_{i=1}^{N} b_i 2^i + \sum_{j=1}^{M} K_j f \otimes \sum_{k=0}^{N} (2^k + 1)) K_{\phi} e^{j(\omega_c t + \varphi(t))}$$

$$m \approx (K_{ref} \sum_{i=1}^{n} b_i 2^i + \sum_{j=1}^{M} K_j \sum_{k=0}^{n} (2^k + 1))$$

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Figure 3

